User guide

Standing frame with power lift

Vision®

HMV 28.29.01.1048

ato form ...lust for life® gmbh

Standing aid

edition 10/11

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Introduction

The Vision is designed to provide comfort and postural support. The system is available in 2 sizes to suit ages from infant to adult. This system is not intended for those who have significant athetosis.

This instruction manual contains very important information about the Vision, how to use it safely and obtain the best results from it. Please read all the information contained in this manual before using this system and retain for future reference. Ensure everyone using the equipment is aware of the contents of this manual and understands how to use the equipment safely.

These instructions provide guidance on the adjustments for professionals, but they also give information on how the equipment should be safely used, maintained, checked, and correctly assembled by anyone who uses the system.

In every case the equipment should be supplied via qualified professionals who will have adjusted the equipment, checked its compliance and tested it appropriately.

The standing system should only ever be adjusted by qualified professionals and persons that are suitably trained. For further information please do not hesitate to contact us - all contact details are on the back cover of the manual.

Thank you for purchasing our product, we hope you enjoy your new standing system.

Measurements / Useful Information

BASIC MODEL - DIMENSIONS (cm)	
Foot Board - Table	93 - 120
Foot Board - Knee Supports	38 - 56
Height of Handrails (from foot board)	80 - 104
Floor - Upper edge of foot board	8
Max. Length	110
Base Width	78
Table (width x depth)	75 x 60
Exercise Tension	230 v
Weight	62 kg
Max Load on table	50 kg
Max. Load	150 kg

IP safety class - system 21.

The Structure of The Equipment Consists Of -

- Steel tubes covered with several layers of lacquer finish on the base of epoxy resins.
- The padded elements and the table surface are adjustable.
- The wheels are mounted with ball bearings and have a diameter of 100 mm, with brakes in the direction of rotation. The production is subject to a constant quality control and is subject to change.

Environmental Ethos:

All packing and parts are reusable. The cardboard box should be recycled. Paper is used to pack the product in the box which can also be recycled. The plastic foils of the packing are PE, and have low-pollution levels so can therefore be burned or recycled.

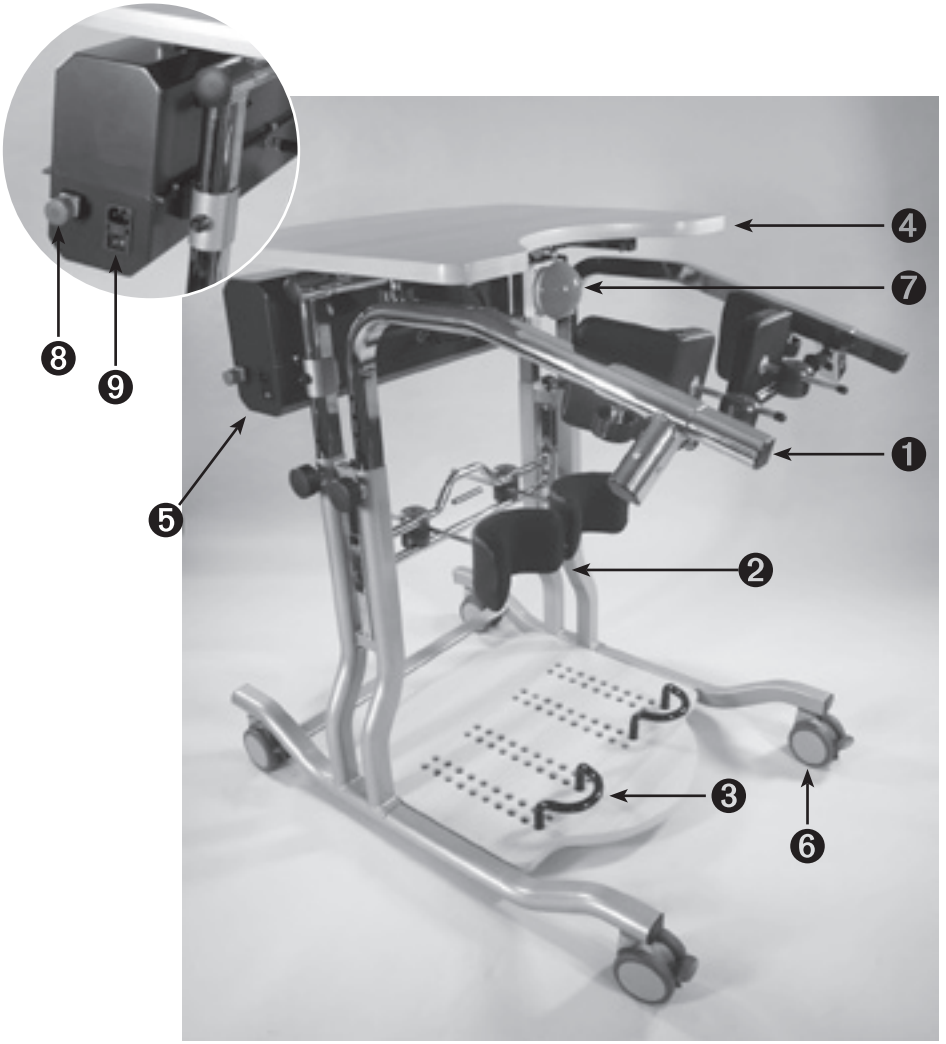
Hand Controls

Lift and lower the Visions hoisting belt function using the remote control.

To activate the Vision functions the buttons on the remote control need to be depressed continuously until the desired position has been reached.

Standing System Components

1 Handrail
2 Knee Support
3 Heel Support
4 Therapy Table
5 Housing for Electric
6 Castors
7 Emergency Stop Button
8 Unser Emergency Stop
9 Plug with safety device and circuit breaker



Important Safety Advice

We at ATO FORM are committed to producing products of the highest standard. All of our products fulfil the essential safety and environmental requirements as defined in the European Directives. However, improper use of the products will potentially put the users at risk and therefore ATO FORM strongly suggest that the following information is strictly adhered to at all times.

Throughout the manual there are important points to note identified by the symbol:

A person who uses a standing device depends on the stability of the equipment, the support points against the body and the supporting surface to the floor. We have striven to develop a piece of equipment which complies as much as possible with medical indications. Nevertheless, a standing device cannot be used without care consideration of all situations.

The operating instruction addresses itself to the retailers and users Vision, it contains data concerning the correct employment the product. It cannot however replace the necessary experience of the user and/or the auxiliary person handling the equipment. The retailer has the obligation to hand over to you the equipment ready for use and to explain the functions and technical data of the equipment in every detail. They are also obliged to provide you with the necessary assistance and briefing for correct and efficient use of the equipment. The operating instructions are relevant to the time in which the equipment was brought into trade. The manufacturer reserves the right to change (as and when they deem necessary) the equipment and the associated operating instructions. If you have any doubts about how to use the Vision contact the technical service or the manufacturer directly.

Suitability

The Vision standing frame can be used by people with conditions such as: with paralyses of the legs; the legs and the trunk; the legs, trunk and the arms e.g. due to a paraplegia syndrome, a Cerebral Palsy, Poliomyelitis or multiple sclerosis.

The Vision is suitable for a body size of 1,90 m and a weight of 150 kg.

The equipment must be set up by a specialist who has examined the intended user prior to the supply of the equipment and determined whether the Vision is suitable for the individual. The specialist should have determined the suitability of the equipment concerning mass and weight as well as the readiness of the patient.

The distribution of the equipment should be made by an authorized technician in accordance with the appropriate regulations and under strict adherence to the data and references of the operating instructions of the equipment and suitability of the mass of the user. If these regulations and reference are not adhered to, the equipment could result in negative ergonomic effects.

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The manufacturer does not carry any responsibility for damage to persons, objects or animals in the following cases:

- Wrong employment of the aid.
- Employment of the equipment through unsuitable persons
- Wrong mounting of parts or accessories.
- Use of non-original spare parts.
- Neglect of the regulations given in the available operating instructions.
- Unusual events.
- Damage of any kind if the Vision is used for any other purposes than those stated in this manual.
- The Vision should not be used without the constant presence of a qualified person and/or a family member of the user. The Vision may be used only by persons who have made themselves familiar with the appropriate standards, regulations and available operating instructions. The equipment must

never be used by persons who have not read the instructions.

- The Vision may be only used by persons with physical suitability for the equipment.

Intended Purpose

- The Intended purpose of the Vision is an electrical standing assistance for adults. The aid was developed in order to give adults with restriction or loss of standing, the ability to stand for as long as possible. The Vision should only be used for purposes specified within this manual.
- The Vision is intended only for indoor use in dry areas only.
- It is intended to be used on a level, flat floor where movement is confined to a single room.
- Always make sure that in the area of use there are no obstacles e.g. thick carpets, stairs or lying objects which could lead to the Vision tilting or toppling over.
- Never place the Vision on a strongly sloping area or rough terrain.
- Keep all products away from excessive sources of heat, cigarettes and naked flames. Do not stand the Vision before open fire places.
- Do not place any hot containers or objects on the tray surface of the Vision as this could cause serious damage to the wood and/ or the coating.
- Ensure there is nothing positioned near to the equipment which could fall onto the Vision or be knocked over when the Vision is in use.
- The use of the Vision and its accessory equipment must take place under medical control.
- Never leave the user alone whilst positioned in the Vision.
- Ensure that when raising or lowering no parts of the users body are squeezed or trapped by the equipment.
- Never use the Vision without determining the correct position of the wheels of the standing assistance and the wheelchair.
- Always check prior to using the Vision the correct mounting and masses of the lifting belt.
- Never use the Vision without the intended thigh belts.
- If the Vision has a power failure during the manual feedback into the wheelchair, support is necessary by two auxiliary persons. Only then the belt can be loosened.
- If you suspect that the system may be faulty or a malfunction occurs, cease use of the equipment straight away and immediately contact the organization who supplied the system. (ATO FORMs contact information can be found on the back cover).
- Before each use of equipment ensure that all adjustable parts are present and intact. The equipment should never be divided by the user into individual parts. Never use the equipment if parts of it are damaged or are missing.
- Always clean the Vision in accordance with the regulations page 18.
- Always use genuine spare parts obtained from the manufacturer/organisation who supplied the equipment.
- During placement of the user in a standing position always ensure the co-ordination with body size and weight.
- After completing any alterations ENSURE all screws, nuts, bolts, knobs, hand wheels and other fixings are securely tightened and in position, and that they are regularly checked as part of the maintenance of the chair. Worn out or defective parts must be repaired or replaced immediately. This is particularly important for the safe use of the equipment.

Important Safety Advice

- Never load the standing assistance with heavy articles (e.g. on the table), as this can impair the equilibrium of the equipment.
- To move, draw the Vision - (with or without user) - on the two chromium-plated supporting grasps. Take care whilst moving especially when a user is located in the equipment. This applies in particular when crossing ramps, thresholds etc.
- We constantly develop new aids and improve our existing products, suggestions are kindly received.
- The standard belt VS-0010 supplied with the equipment, as well as all optionally available accessories must only be used with the devices associated with the Vision series by Ato form.
- If the Vision stops working ensure that the plug is in the plug socket, the main switch is switched on and the batteries are in the remote control. Examine whether both safety devices are functional in the connection element of the current supply.
- Ensure all adjustment mechanisms are secure and in place before operation. If it is likely that the handwheels will be repeatedly loosened, ATO FORM can supply allen key bolts as an alternative. We strongly recommend this if there is a danger from those in the vicinity of the user.
- All postural support straps and harnesses should be in place and properly adjusted to the user, prior to usage of any kind.
- Heavy items on the tray will affect stability. The fitting of anything other than the standard tray may substantially affect the stability of the seating system and should therefore be checked before issue.
- If at any time it is noted that areas of the users skin remain reddened after being out of the system for around 10 minutes, urgently contact the qualified professional who performed the hand over of the equipment. This may be a sign of excessive pressure being exerted by the system. This might occur in the initial use of new equipment where further adjustment may be required, where the user has been badly placed, grown or where an underlying medical problem exists. Review may be necessary in such cases.
- The equipment will be labelled with important information. NEVER REMOVE these information labels or allow them to be defaced, overlaid or altered.
- All modifications, adjustments, reconditioning, repairs, disposal, and servicing of the seating unit must ONLY be carried out by the agencies who supplied the equipment (see pages 18-19).

IMPORTANT
ATO FORM will not be held responsible for any damage or injury caused by incorrect use of this product. For any information or guidance on the use of this product please call our office who will put you through to your local representative or send you any additional information you may require.
Tel: +49 (0) 6093 944-0

Use of Manual Override

In this case the Vision can be operated using the manual override button (see H on page 5). This small button is located beside the red emergency stop button under the therapy table. This button can be used to operate the elevation as well as the lowering function.

To Use The Manual Override

Press the button in order to set the engine in motion until you achieve the desired position. By renewed pressing of the button, the engine moves in the opposite direction.

If the Vision operates normally using the manual override function it means that the engine is working correctly and that the problem is solely with the remote control.

If this is the case you should equip your Vision with an optional corded remote control.

Connecting to Power Supply & Turning On

When connecting to the electricity mains, always make sure that the mains voltage corresponds to the data on the equipment and that electricity mains are grounded.

Always attach the equipment to electricity mains via the cable provided. Never use any alternative cables.

Turning On

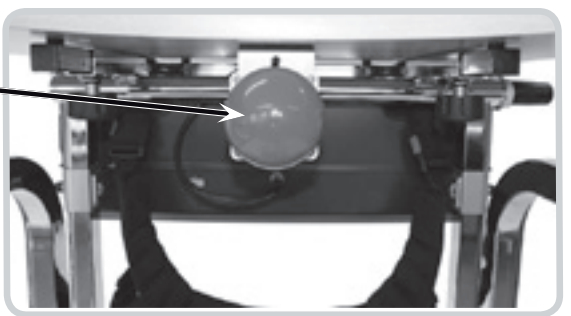
Always switch the Vision on or off via the on/off switch. Ensure the red emergency stop button is not depressed. (see page 5 to view the location of the on/off switch and the emergency stop buttons)

Emergency Stop Button

The button shown stops the equipment completely.

To use

Simply depress the button all the way in.



Adjustments Prior to Use

The intended user should have been inspected and assessed for suitability prior to use.

The following adjustments should then be performed before the first use of the Vision and without the user positioned in the equipment.

- Position of the knee supports.
- Position of the heel supports (depth).
- Position of the electronic device
- The height of the Vision and thus the height of the table.

The adjustments must take place in accordance with medical instructions according to the condition of the user.

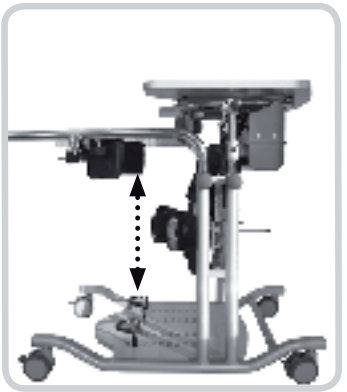
Assembly Instruction Note ⚠

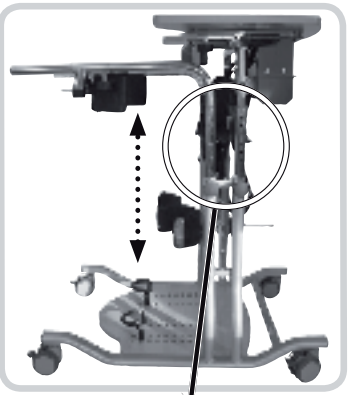
Before the very first use of the Vision you must extend the hoisting belt to the maximum position.

To do this use the down button on the remote control.

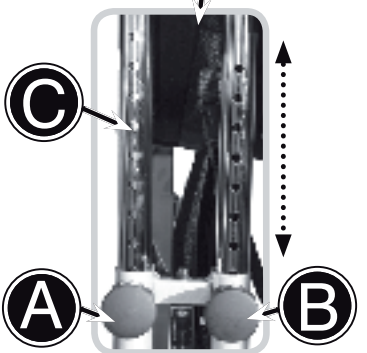
The hoisting belt can then be used as required.

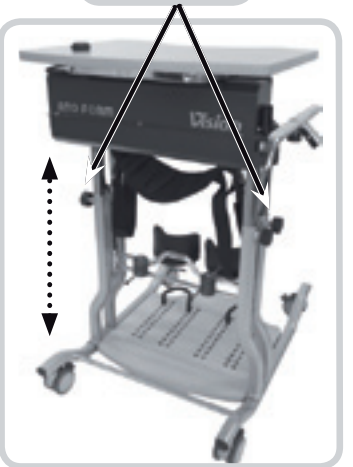
Height Adjustment





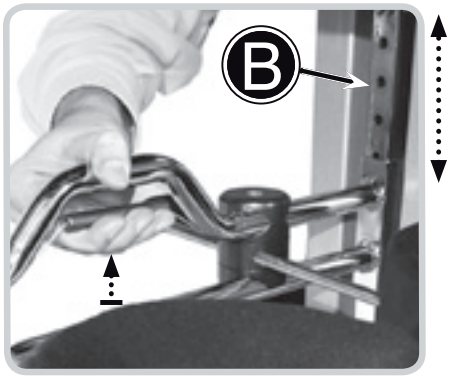
- Un-tighten knobs (A) and (B) - there is a set either side of the Vision.
- Pull the top half of the Vision up to heighten or push down to shorten.
- Select another adjustment point in the framework (C).
- Ensure the knobs relocate into one of the other positions available and re-tighten knobs (A) and (B) on either side of the Vision to secure into place.





Adjusting the Knee Supports

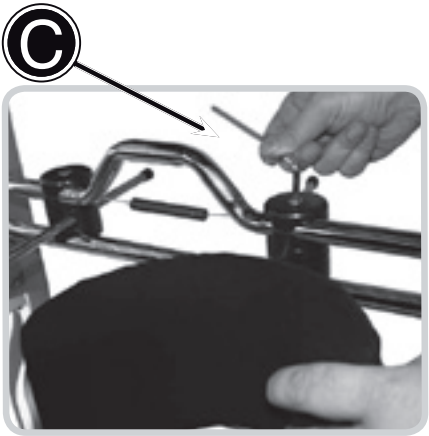
Height Adjustment

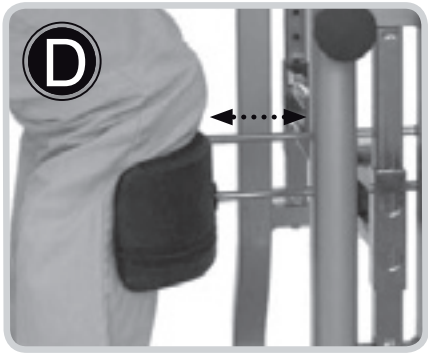


- Grasp bar (A) and squeeze the lever underneath upwards to release the knee supports from the positioning along bar (B).
- Whilst squeezing the lever pull the knee supports up or down until the correct height (in correspondence with the users knee height - see opposite) is achieved.
- Release the lever when the correct position has been found, choosing from one of the other positions available along bar (B).
- Ensure that the knee supports lock into position securely.

Depth

- Whilst supporting the knee support with one hand use the allen key provided to un-tighten adjustment (C).
- Slide the knee support pad in or out to adjust the depth.
- Ensure that the pad supports the users knee as shown (D).

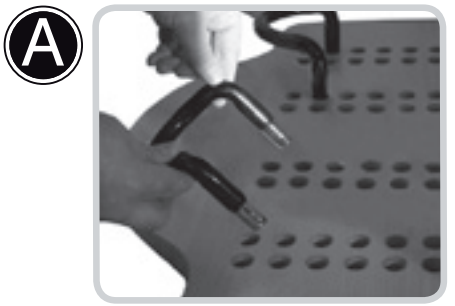




Heel Support & Knee Pad Usage

Heel Support Placement

Insert the heel supports into the appropriate holes in the foot support tray (A). Ensure both heel supports are placed at the same depth.

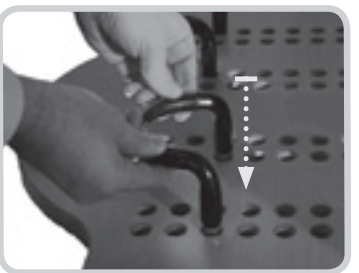


Foot Placement

Place the feet of the user into the appropriate heel supports and ensure that the back of the heel is positioned against the back of the support (B).

Knee Pad Use

Ensure the knee pad is positioned just below the knee of the user.



Always make sure that the knee pads allows for a degree of flexion in the users knee.

Ensure that the legs of the user from the knee to the foot are positioned vertically straight (D).

Attachment of Posterior Harness & Hoisting Belts

Pull the belts through under the thighs, until they can be closed with the buckles on the belt. This procedure can take place in two different ways:

- Raise the leg and pull the belt through.
- Raise the user and pull the leg through the belt and under the thigh.
- Always ensure that the belts are securely fastened and fitted in the correct positions (as shown in the diagrams below).

All steps described here for the attachment of the belts must be completed symmetrically on either side of the users body.

Hoisting the User into Position

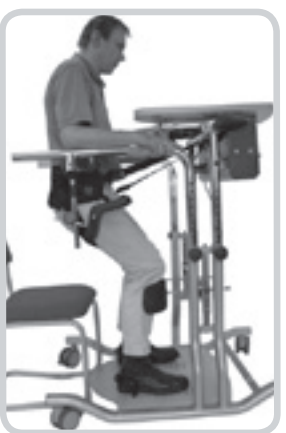
⚠ Prior to any lifting and lowering of the user or any other adjustments, the wheels of the Vision must be locked securely in place by the brakes.

Positioning of the Users Seating System / Wheelchair

- Position the users wheelchair or seating system as close to the Vision as possible so that the front of the seat / wheels are positioned against the back of the Vision footplate.
- Always ensure the wheels of the users seating system / wheelchair are locked into place and that the brakes are on.
- Always ensure that the **wheels of the Vision are also locked securely in place by the brakes.**

Attachment of the Hoisting Belt

- Attach the hoisting belt to the users posterior harness ensuring it is attached as far down, underneath the users posterior as possible.
- Fasten the hoisting belt to the plastic latches on the posterior harness. Always bring the hoisting belt into the correct position by means of the “DOWN” button on the remote control.
- Always bring the torso of the patient forward in order to be able to arrange the hoisting belt properly.

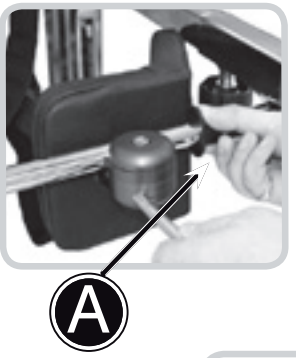


- Check to ensure that the user is secured in the harness, the hoisting belt is securely attached and that the feet and knees are correctly positioned with the knee pad in place.
- Use the remote control to gradually lift the user into an upright standing position.

Posterior Support Fitting & Adjustment

Flip Away

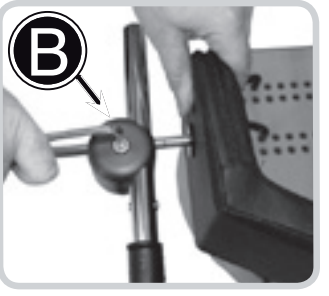
- Slide the plastic handle (A) away from the frame and swing the pad down to allow easier access for user.

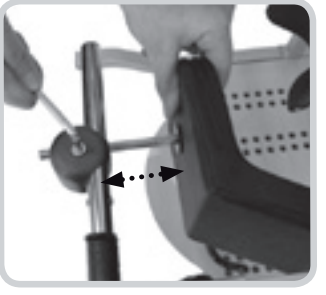


The picture above shows a suitable position for the pads which gives the user posterior support.

Width

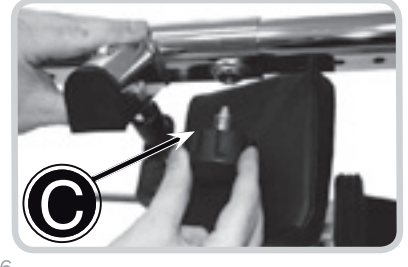
- Un-tighten the adjustment point (B) with a 6mm allen key.
- Slide the posterior pad in or out within its bracket until the desired position has been achieved.
- Re-tighten the adjustment point with the allen key to secure the pad in place.

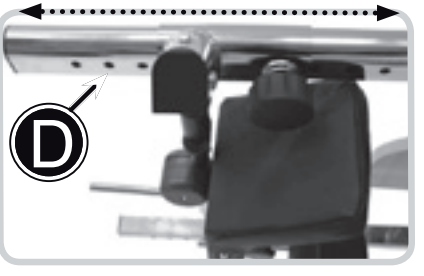




Depth

- Unscrew knob (C) and slide the pad along the frame until a suitable position has ben found which gives the user support.
- Re-locate the knob into one of the other positions available along the frame (D).
- Tighten the knob into place to secure the pad.



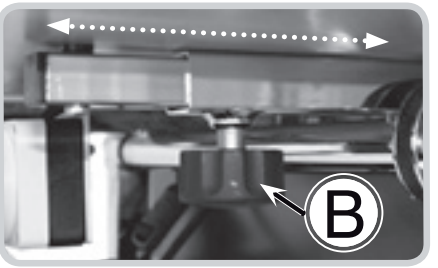


Adjusting The Desk

⚠ The desk surface must always be positioned underneath the elbow of the user - as shown (A) to give stability and ensure comfort for the user.

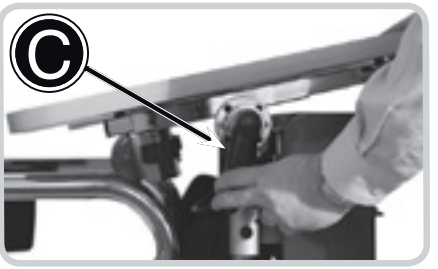
Desk Depth

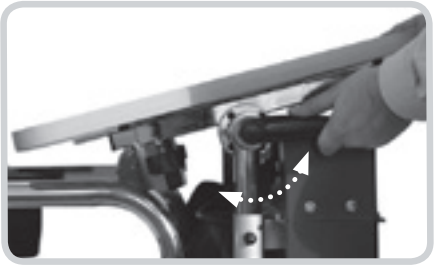
- Un-tighten knob (B) and slide the desk forwards or backwards to fit comfortably around the users body.
- Re-tighten the knob to secure the desk in place.



Desk Angle

- Turn lever (C) anti-clockwise and adjust the desk to set it at the correct angle.
- Secure the desk in place by returning the lever (clockwise) back to its original position.





Cleaning, Care & Maintenance

We recommend the following points for successful cleaning of your standing system.

- Clean the painted and chrome-plated parts of the Vision with a soft cloth dampened with alcohol diluted in water.
- Clean the wheels at least once a month ensuring any contamination (hair, threads etc.), which get wrapped around the rotary parts or windings are removed.
- Do not use bleach, acidic, solvent, abrasive, biological or phenolic based cleaners.
- Ensure that the framework is thoroughly dried after cleaning.
- Always ensure that any moving or adjustable parts are re-lubricated.

General Maintenance

The Vision a medical product and is built in accordance with the latest valid regulations, however regular inspection by your specialist dealer should take place at least once a year. This extends the life span of the Vision and gives you security.

General maintenance should be carried out by a competent, professional person who is well informed on how to use the equipment. If there is no such person available or a more thorough check is needed, a service via an approved repairer (see opposite) should be booked. The person who carries out the maintenance check or service should always fill out the service history log record (page 20).

As documented opposite, the degree of maintenance required is dependant on various factors relating to the use of the product. In addition to the specific functional adjustment warnings specified in this manual, it should be ensured that a thorough inspection of the following should be completed at no greater than 6 month intervals: (Points listed here are generic across the ATO FORM range and do not apply to all products).

Maintenance or replacement of parts should never be performed whilst the equipment is in use.

Castors	• Lift base and check each wheel to ensure it is not damaged, loose or worn.
Brakes	• Removing any grease or dirt that has built up on the wheels, check that the brakes stop the wheels rotating. • Check they are securely fixed in place and that there are no signs of damage or wear and tear.
Frame With correct maintenance the frame should provide at least 5 years trouble free use but, depending on conditions of use, wear will occur and a thorough inspection is recommended.	• Check all metal parts to ensure there are no signs of damage or wear and tear, paying particular attention to adjustable or moving parts. • Check there are no signs of failure in joints and welds. • Check tightness and security of all fixings, bolts, nuts, spring loaded pegs, and other fitments. • Check for signs of fatigue wears, replace parts that show signs of wear or repeatedly becoming loose. • ANCHOR POINTS (where applicable) for transportation must be checked to ensure security, check there are no signs of damage, wear and tear or failure.
Fixtures	• Check any upholstery pads and replace if worn.

Servicing via Approved Repairer

What should be completed during a service?

A service is a comprehensive combination of inspection, maintenance and repair or replacement of worn, faulty or missing components. The growth and any changes of the occupants needs since the original assessment is taken into account when performing the service. This is in contrast to general maintenance (opposite), where only straightforward checks, inspections and adjustments take place and primary services are planned.

What happens if a fault is found?

If any faults are found that could prove to be a risk to either the user or the operator then all use of the equipment should be ceased immediately until the product has been repaired.

Who should carry out the service?

It is stressed that only a ATO FORM approved repairer or a person with competent training of a Class 1 medical device should carry out this work.

Any modifications must not be carried out without prior agreement of ATO FORM It must be understood that unauthorised modifications may pose a risk to all users and attendants, as well as potentially invalidate the warranty.

Any new parts required should be genuine ATO FORM approved parts, fitted to ATO FORM specifications.

Frequency of Service

ATO FORM recommend that a service of this product is completed once every 6 months as a minimum. However, the frequency of inspection and service must be altered depending upon the severity of use. If the system is used in any of the following ways then the use could be said to be fairly heavy and constant. Therefore we would recommend the service interval be reduced to once every three months;

Daily for around 8 to 10 hours.

Weekly for at least 6 days out of 7.

Monthly for at least 11 months a year.

By an active user or somebody who is very active voluntarily or involuntarily.

By a user who is above 80% of the maximum user weight recommended.

Transported in a moving vehicle twice or more in a day.

If the usage exceeds the amount highlighted above it is possible that services every six weeks or less might be needed.

How To Book A Service

ATO FORM have specified technicians trained to service our products. If you would like ATO FORM to service your chair or for further information please contact us on +49 (0) 6093 944-0. Alternatively, contact the person who issued you with the product.

Service Record Log

This log is an important record of usage and care of the product. It is a primary tool in predicting the need for further service and maintenance. It should be completed each time an inspection, service or any other significant manipulation has taken place. ATO FORM will require proof of service for any warranty claims or orders.

Seating system serial number _____
Date delivered _____/_____/_____
Battery use by date _____/_____/_____

Date	Service Performed	Organisation	Print Name & Sign

Please contact ATO FORM if additional log sheets are required.

Guarantee

The Vision is guaranteed and liable for two years by ATO FORM.
through non authorized persons occur, any guarantee of the Vision and its components are rendered invalid. Product liability on the part of the manufacturer (ATO FORM GmbH, Zur Lauterhecke 34, D-63877 Sailauf) is excluded in these cases.

Conditions of Use

The retailers responsibility is to unpack the product, hand it over to the buyer and explain how to use the equipment.

Above all the retailer must carefully read all operating instructions available in order to be able to fully explain the product to the customer. With the assistance of the retailer, both the user, customer and any auxiliary people must make themselves familiar with the correct use of the equipment.

If the demonstration of the equipment is terminated, the retailer must make sure that the user and any auxiliary persons have fully understood the basic functions of the equipment. This ensures that they are able to avoid dangerous situations during the use of the Vision.

Vision Original Accessories

At present the following accessories are available for the VS-1000 Vision:

- VS-0010 Balancing belt.
- VS-0110 Interior leather belt.
- VS-0210 Extended belt system (consisting of balancing belt and lap strap).
- VS-0050 Posterior support pad
- VS-0060 Back support pad with side guidance and head restraint.
- VS-0070 Connector sockets for the foot belt and foot loops (pair).

For questions on spare parts and accessories please contact ATO FORM.

Inspecting & Reissuing of Equipment

Most ATO FORM products are individually assessed for a client prior to issue. They are handed over in a controlled way to ensure optimum fit and specification, checks are completed and any additional individual verbal instructions given. We therefore recommend the following points are adhered to prior to any re-issue of equipment:

- Cleaning

  Follow a rigorous process of cleaning in order to decontaminate the product and eliminate the chance of cross infection.

- Assessment of Fabrics / Foams

  Carefully asses the condition of fabrics and foams in the seating product, and have these replaced partially or even completely if need be. In severe cases if the chassis is worn and the seating in poor condition it may be necessary to have the product refurbished by the manufacturer. In very severe cases if the chassis is badly worn and the seating in very poor condition then the product should be decommissioned and disposed of.

- Electrical and Electronic Equipment Decomissioning

  If your product is set up with an electrical function you should always contact ATO FORM or your authorised representative for de-comissioning information.

- Appropriateness of Equipment

  Check that the equipment supplied is appropriate for the needs of the user taking age, weight, ability, diagnosis, and any other important factors into account. For instance, ATO FORM products may not be suitable for persons with severe challenging patterns of behaviour. Also ensure safe specified limits for use are not exceeded by the new user. Your sales representative can advise on the suitability of the equipment.

- Manuals and Records

  Ensure this instruction manual and any additional manuals for the seating unit are handed over to the new user with the equipment and ensure the servicing log history is up to date. Records on the new user must be updated to maintain traceability.

- Inspection

  The equipment should have a rigorous inspection prior to the reissue, to include the points covered in the six monthly routine check, regardless of if the checks were recently completed. The equipment should be free of excessive wear or distortion in any aspect of its main construction or accessories.

- Condition

  Wheels, tyres and brakes must be in good working condition, properly adjusted and inflated as appropriate.

- Accessories

  Check all accessories carefully for damage and potential shortcomings which may pose a risk to the user.
- Function

  Ensure that all the functions of the chair are working correctly e.g. tilt in space, height adjustment, back recline, folding etc.

- Fixings

  Check that any knobs, hand wheels, nuts, bolts, levers and fixings are in good condition and fitted in place securely.

- Modifications

  Any special modifications, adaptations, alterations or other such procedures including added accessories may require review. If they are found inappropriate, remedial action (if considered safe and practical) should be taken to reverse them if possible.

- Labelling

  Any labelling specific to the previous user should be removed and replaced with labelling specific to the new user.

- Adjustment

  Adjustment of the equipment to the new user must be carried out by suitably qualified and experienced professionals. These adjustments along with the other appropriate checks and tests should be completed with the owners knowledge and agreement.

- Hand Over

  Competent handing over of the equipment to the new user or attendant must include proper training and advice in safe use, particularly regarding transportation issues.

- Packaging

  Always ensure that the chair is packaged correctly before delivery.

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Complete program:

- Walking aids
- Walking frames
- Standing aids
- Seating aids
- Hoists
- Body Protection
- Customized solutions

Thank you for your interest in our products.
For questions please contact us or our dealer and sales representative.

Your ATO FORM Team

Your sales representative

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